

Message Text

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73

ACTION AID-59

INFO OCT-01 ISO-00 EA-11 PM-07 IGA-02 CIAE-00 INR-10

NSAE-00 RSC-01 EB-11 DRC-01 /103 W

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R 070200Z SEP 73

FM AMEMBASSY PHNOM PENH

TO SECSTATE WASHDC 2891

INFO CINCPAC HI

OICC BANGKOK THAI

DIA WASHDC

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SUBJ: BRIDGE SURVEY OF ROUTE NO. 4-CAMBODIA

REF: (A) PHNOM PENH 3776/210315Z APR 73

(B) STATE 089774

(C) PHNOM PENH 4592

(D) STATE 116267/142258Z JUN 73

1. REF A ADVISED OF NEED FOR TECHNICAL ENGINEERING ASSISTANCE TO PERFORM ON-SITE SURVEY OF ROUTE 4 BRIDGES. OICC/THAILAND MADE AVAILABLE MR. AL HILER OF LYON ASSOCIATES TO PERFORM ON-SITE SURVEY. REF D PROVIDED FISCAL DATA TO COVER \$10,652 COST OF SURVEY AND REPORT. FINAL REPORT PRESENTED TO EMBASSY ON SEPTEMBER 3, 1973. SUMMARY OF FINDINGS FOLLOWS. ALL DATA CURRENT AS OF MAY 17, 1973.

2. OF THE 40 BRIDGES ON ROUTE 4, FOURTEEN (14) HAVE BEEN DAMAGED BY WAR ACTION. OF THESE 14, EIGHT (8) BRIDGES ARE IN NEED OF FURTHER REPAIRS OR UPGRADING IN ORDER TO MEET MILITARY VEHICLE CLASS 30 STANDARDS. CLASS 30 VEHICLE HAS AXLE WEIGHT DISTRIBUTION OF 6-11-11-6. OF THE EIGHT BRIDGES, FIVE (5) LOCATIONS ARE PRESENTLY SERVED WITH BAILEY ELEMENTS BUT REQUIRE ADDITIONAL BAILEY ELEMENTS TO MEET THE CLASS 30 STANDARD. TWO (2) LOCATIONS PRESENTLY WITHOUT BAILEY BRIDGING REQUIRE THE INTRODUCTION OF BAILEY BRIDGING. ONE (1) LOCATION REQUIRES REINFORCEMENT WORK WITH EITHER TIMBER REINFORCEMENT OR REINFORCED CONCRETE.

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3. THE REPORT FINDINGS AND RECOMMENDATIONS REFLECT THE NEED TO AVOID EXTENSIVE, TIME CONSUMMING REPAIRS. THE GKR MINISTRY OF PUBLIC WORKS IS TECHNICALLY CAPABLE, IN THE OPINION OF THE EMB-ASSY, TO PERFORM THE REPAIR WORK. TOTAL BAILEY SETS NEEDED TO EFFECT REPAIRS IS ESTIMATED AT TWO AND TWO-THIRDS (2 2/3) SETS. THE TIMBER/REINFORCED CONCRETE WORK MAY PRESENT SOME DIFFICULTIES IN THAT (A) THE REPAIR CANNOT BE DONE IN ONE OR TWO DAYS BUT RATHER MAY TAKE UP TO THREE WEEKS OR A MONTH; (B) PUBLIC WORKS BRIDGE REPAIR CREW IS PRESENTLY INVOLVED IN TIMBER REPAIRS OF BRIDGES ON ROUTE 5 (PHNOM PENH TO BATTAMBANG) AND MAY WANT TO DELAY MOVING ITS GEAR AND PERSONNEL DOWN TO ROUTE 4 UNTIL SUCH TIME THAT A CLASS 30 STANDARD IS ACTUALLY NEEDED.

4. COPY OF STUDY MAILED TO SER/ENGR/SA PER REQUEST REF B.
DECONTROL 6/30/74.
ENDERS

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